

CONTENTS

At the Cutting Edge

Cretinism, thyroid hormones and selenium

B. Contempné, J. Vanderpas and J.E. Dumont (Belgium) C193

Diversity in cellular signaling for nerve growth factor and insulin: variations on a common theme

A.R. Saltiel and S.J. Decker (U.S.A.) C197

Research Papers

Angiotensin II induces calcium release in a subpopulation of single ovarian (granulosa) cells

J.A. Flores, J.D. Veldhuis and D.A. Leong (U.S.A.) 1

Mechanisms involved in the interaction of dopamine with angiotensin II on aldosterone secretion in isolated and cultured rat adrenal glomerulosa cells

N. Gallo-Payet, L. Chouinard, M.-N. Balestre and G. Guillon (Canada, France) 11

Characterization of a 1,25-dihydroxy-vitamin D₃ receptor in FRTL-5 cells. Evidence for an inhibitory effect of 1,25-dihydroxy-vitamin D₃ on thyrotropin-induced iodide uptake

C. Lamberg-Allardt, E. Valtonen, M. Polojärvi and P. Stewen (Finland) 25

Angiotensin-II activation of cAMP and corticosterone production in bovine adrenocortical cells: effects of nonpeptide angiotensin-II antagonists

W.E. Rainey, E.W. Byrd, R.A. Sinnokrot and B.R. Carr (U.S.A.) 33

Opposite effects of angiotensin-II and corticotropin on bovine adrenocortical cell steroidogenic responsiveness

R. Ouali, D. Langlois, J.M. Saez and M. Begeot (France) 43

Progesterone-induced second messengers at the onset of meiotic maturation in the amphibian oocyte: interrelationships between phospholipid N-methylation, calcium and diacylglycerol release, and inositol phospholipid turnover

E.J. Chien, G.A. Morrill and A.B. Kostellow (U.S.A.) 53

Tumor-promoting phorbol ester acts synergistically with insulin to induce lutropin receptor expression in rat granulosa cells

M.-a. Hattori, M. Takahashi and R. Horiuchi (Japan) 69

Analyses of ovine corpora lutea for tumor necrosis factor mRNA and bioactivity during prostaglandin-induced luteolysis

I. Ji, R.G. Slaughter, J.A. Ellis, T.H. Ji and W.J. Murdoch (U.S.A.) 77

Initial characterization of the four promoters of the human insulin-like growth factor II gene

M.A. Van Dijk, F.M.A. Van Schaik, H.J. Bootsma, P. Holthuisen and J.S. Susenbach (Netherlands) 81

Effect of epidermal and insulin-like growth factors on vectorial secretion of transferrin by rat Sertoli cells in vitro

J.A. Spaliviero and D.J. Handelsman (Australia) 95

(continued on p. 218)

Cited in Biological Abstracts; Current Contents / Life Sciences; Excerpta Medica (EMBASE); Index Medicus; Informaticus; Pascal M

Contents (continued)

Complement C3 synthesis, peroxidase activity and eosinophil chemotaxis in the rat uterus: effect of estradiol and testosterone M.C. Leiva, C.R. Lyttle and P.H. Jellinck (U.S.A., Canada)	105
Acute action of luteinizing hormone on mouse Leydig cells: accumulation of mitochondrial phosphoproteins and stimulation of testosterone synthesis L.F. Epstein and N.R. Orme-Johnson (U.S.A.)	113
Mechanism of action of spironolactone on cortisol production by guinea pig adrenocortical cells K.A. Rourke, J.M. Bergstrom, I.W. Larson and H.D. Colby (U.S.A.)	127
Sites of expression and induction of glandular kallikrein gene expression in mice J.D. Penschow, C.C. Drinkwater, J. Haralambidis and J.P. Coghlan (Australia)	135
Efficient production of biologically active human prolactin in <i>Escherichia coli</i> Y. Hiraoka, Y. Nomata, K. Matsuo, N. Tsubota, K. Tanabe and T. Fukasawa (Japan)	147
Hormone formation in the isolated fragment 1-171 of human thyroglobulin involves the couple tyrosine 5 and tyrosine 130 C. Marriq, P.-J. Lejeune, N. Venot and L. Vinet (France)	155
Monensin-resistant LLC-PK ₁ cell mutants are affected in recycling of the adenylate cyclase-stimulating vasopressin V ₂ -receptor D.A. Jans, P. Jans, H. Luzius and F. Fahrenholz (F.R.G.)	165
ATP, bradykinin, TRH and TSH activate the Ca ²⁺ -phosphatidylinositol cascade of human thyrocytes in primary culture E. Raspé, E. Laurent, G. Andry and J.E. Dumont (Belgium)	175
Hormone responsive elements within the upstream sequences of the rabbit whey acidic protein (WAP) gene direct chloramphenicol acetyl transferase (CAT) reporter gene expression in transfected rabbit mammary cells E. Devinoy, R. Maliénou-N'Gassa, D. Thépot, C. Puissant and L.M. Houdebine (France)	185
Phenol red: an inhibitor of thyroglobulin iodination in cultured porcine thyroid cells D. Gruffat, S. Gonzalvez, J. Mauchamp and O. Chabaud (France)	195
Regulation of juvenile hormone synthesis in wild-type and <i>apterous</i> mutant <i>Drosophila</i> M. Altaratz, S.W. Applebaum, D.S. Richard, L.I. Gilbert and D. Segal (Israel, U.S.A.)	205
<i>Calendar of Meetings</i>	217
<i>Notes to Authors</i>	